

A. Cover Sheet

ASET Grant Application

Oro Valley Hospital

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Amount requested: \$25,060.10

B. Grant Application

1. The Project Description and Partner Relationship/Collaborative Structure shall include:

o Brief organizational descriptions, including current use of health information exchange among partners (whether on paper, by phone or fax, or electronically).

Oro Valley Hospital (OVH), located in Oro Valley, Arizona, is a 144-bed facility that offers a full-scope of inpatient and outpatient services, including Cardiology, Orthopedics, Minimally Invasive Surgery, Neurology, Rehab, and Pediatric and Adult Urgent Care. The medical center is accredited by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO).

OVH currently utilizes Healthcare Management Systems (HMS) software for its integrated clinical and financial IT solutions and employs McKesson's Horizon Clinicals® solutions to support patients' electronic health record (EHR). Horizon Clinicals® Release 10.3.1 has been certified under the Drummond Group's Electronic Health Records Office of the National Coordinator Authorized Testing and Certification Body (ONC-ATCB) program and is compliant in accordance with the criteria adopted by the Secretary of Health and Human Services. In locations not linked to the medical center's network of servers, OVH providers utilize McKesson's Horizon Physician Portal (HPP) to access patients' EHR remotely. Currently, OVH employs paper, phone and fax processes to exchange health information among other hospitals and healthcare providers, including the dissemination of lab and image reports, transcription reports and discharge summaries.

o Geographic area and demographics of population(s) served.

OVH serves the northwest side of Tucson, unincorporated Pima County, Marana, Oro Valley, and small towns north of Tucson. Population served is approximately 209,001. The zip codes we serve include:

Primary Service Area

85623 (Oracle)
85631 (San Manuel)
85658 (Marana)
85737 (Oro Valley)
85739 (Tucson)
85742 (Tucson)
85755 (Oro Valley)

Secondary Service Area

85192 (Winkelman)
85618 (Mammoth)
85653 (Marana)
85704 (Tucson)
85718 (Tucson)
85741 (Tucson)

Demographics: The median household income in OVH's combined service area is \$59,893 (2011 data). The median age in the combined service area is 46.2 years of age. Further breaking down the age groups:

16% of the population is between the ages of newborn and 14 years of age
47% of the population is between the ages of 15-54
16% of the population is between the ages of 55-64
21% of the population is over the age of 65

In 2011, we provided \$3,916,374 of charity care, self-pay and courtesy discounts to uninsured and underinsured patients in our community. (Source: ESRI Business Information Solutions)

o Description of issue/business process that health information exchange will assist with improving.

OVH will improve the quality and efficiency of healthcare overall in Arizona by exchanging appropriate and secure electronic health information utilizing Arizona's Health Information Exchange program (HIE). As a result, the HIE will enhance the coordination of care across unaffiliated organizations, improve healthcare, reduce redundancy of testing, and thus it will result in lower health care costs. Joining the HIE and sharing patient health information will allow OVH and other provider organizations to provide the most efficient healthcare of individuals and effectively manage the health of Arizona's populations.

OVH strives to keep patients within network, but transfers occur between OVH and other organizations. Access to a shared HIE would facilitate a smooth transfer and would improve the flow of communication between facilities resulting in better patient care.

OVH owns one urgent care clinic in Oro Valley. From this clinic, approximately 86 transfers per month are conducted for patients to transition to a higher level of care. Approximately 7% of these transfers go to facilities that are not in the Northwest Healthcare network. In addition, approximately 33% of the patients discharged from acute care have follow-up care at a rehabilitation, skilled nursing, hospice or home health facility that is outside OVH's network of services.

Access to the information in the acute care record will make the ongoing care seamless, resulting in better care for the patient. Ease of accessible patient information in the acute care records will make ongoing and continuing care seamless, resulting in better care for the patient.

By participating in the HIE, OVH will improve the transition and coordination of care by exchanging critical information including discreet lab data, radiology reports, discharge summary information and other key health information.

The health information exchange will allow collaboration with other providers in our community to coordinate and provide timely patient healthcare information.

o Describe how the HIE grant funds will enable to you meet your business objectives.

This grant will assist OVH by funding the costs associated with the implementation and functional use of HIE, including the "One Time" HIE Onboarding Connection Fee, interfaces between EHR and HIE, and other costs incurred to facilitate seamless electronic transfer of patient health information across different provider networks and unaffiliated organizations.

The mission of OVH is to provide the communities with high quality, cost effective, and safe healthcare. Aligning with OVH's mission, one objective is for OVH to participate in a statewide HIE to improve quality and coordination of care among the populations served. Participation with Health Information Network of Arizona (HINAZ) will achieve these objectives.

For example, regardless of an individual's insurance coverage or ability to pay, a patient seen in OVH's ED who transfers to UMC for a higher level of care could have their lab results immediately available to UMC physicians via the HIE. Having a patient's current health information readily accessible as the patient arrives at the other facility will allow providers to be more proactive in delivering efficient care and improve patient's time to treatment by eliminating duplicate lab tests and other diagnostic procedures.

o Describe how the project will serve the needs of the underserved and low income populations you care for.

Utilizing the Arizona HIE will enhance OVH's efforts to provide better care for Arizonans, especially the underserved and low-income populations by enabling providers to receive and share structured lab and image reports, transcription reports, and discharge summaries to facilitate transitions across other Arizona providers' networks and unaffiliated organizations.

o Name of organization that will serve as the fiscal agent on this project.

Oro Valley Hospital

o Name and resume of individual who will serve as project lead.(can be a separate attachment and will not count towards the 8 page limit)

Rodney Higgins, CFO

2. Project Work Plan– work may not extend beyond June 30, 2013

The work plan may be in narrative or table/spreadsheet form, or both, and should include: o Milestones and expectations for the project.

HINAz Project Plan and Resources

Item	Hrs	Due Date	Resource	Cost/hour	Total Cost
Kick Off Project					
Finalize Plan	2	1/10/2013	Project Manager	\$ 48.04	\$ 96.08
Confirm Resources	1	1/10/2013	Project Manager	\$ 48.04	\$ 48.04
Kick off project	2	1/10/2013	Project Manager	\$ 48.04	\$ 96.08
Routine calls	16	4/30/2013	Project Manager	\$ 48.04	\$ 768.64
Tracking budget	3	4/30/2013	Project Manager	\$ 48.04	\$ 144.12
Implement Interface hardware, software, and establish connectivity		1/20/2013		Milestone	
Sent/Received VPN set up	2	1/15/2013	Network Analyst	\$ 42.71	\$ 85.42
Connectivity Test	1	01/20/13	Network Analyst	\$ 42.71	\$ 42.71
Develop Results Interface		2/25/2013		Milestone	
Data Volume Projections	2	1/25/2013	Clinical Analyst	\$ 31.60	\$ 63.20
Review and revise HL7 Specs	10	1/25/2013	Interface Analyst	\$ 75.00	\$ 750.00
Test Data Feeds	15	2/10/2013	Interface Analyst	\$	\$

				75.00	1,125.00
				\$	\$
Test Acknowledgements	1	2/15/2013	Interface Analyst	75.00	75.00
				\$	\$
Error Detection and Reporting	12	2/15/2013	Interface Analyst	75.00	900.00
				\$	\$
QA Data	6	2/20/2013	Clinical Analyst	31.60	189.60
				\$	\$
Lab codes	6	2/25/2013	Clinical Analyst	31.60	189.60
Data Translation and Data Building		3/15/2013		Milestone	
				\$	\$
ADT Bulk Load	5	3/1/2013	Interface Analyst	75.00	375.00
				\$	\$
Build Physician Address book	4	2/25/2013	Clinical Analyst	31.60	126.40
				\$	\$
Review Processing and Testing	4	3/1/2013	Interface Analyst	75.00	300.00
				\$	\$
Review Data Maps	8	3/1/2013	Interface Analyst	75.00	600.00
				\$	\$
Display Test Data and QA	12	3/10/2013	Interface Analyst	75.00	900.00
				\$	\$
Signoff	4	3/15/2013	Project Manager	48.04	192.16
Physician and Staff Training		4/15/2013		Milestone	
				\$	\$
Prepare training material	2	3/15/2013	Clinical Analyst	31.60	63.20
				\$	\$
Schedule and Train	40	4/15/2013	Clinical Analyst	35.00	1,400.00
Production Processing and Testing		4/15/2013		Milestone	
				\$	\$
Production QA Review	16	3/31/2013	Interface Analyst	75.00	1,200.00
				\$	\$
Check MPI Map and Merge	6	3/31/2013	Interface Analyst	75.00	450.00
				\$	\$
Check ADT Update and MPI	2	3/31/2013	Interface Analyst	75.00	150.00
				\$	\$
Check Physician Address Book	2	3/31/2013	Clinical Analyst	31.60	63.20
				\$	\$
Go live Support	6	4/15/2013	Project Manager	48.04	288.24
Project Close out		4/30/2013		Milestone	
				\$	\$
Project Close out	4	4/30/2013	Project Manager	48.04	192.16
					\$
	194				10,873.85

Additional Cost	Hrs/ Wk	Total weeks for project		Hourly rate	Total Additional Cost
Administrative Cost	5	12		\$ 86.40	\$ 5,184.00
Total Internal Cost					\$ 16,057.85

o Time-specific objectives to achieve each stated outcome/goal. See HINAz Project Plan (#2 above)

o Communications plan to ensure all stakeholders are kept informed of project goals and progress, and are engaged.

Audience	Communication Vehicle	Message	Date	Responsible Party
Internal/External OVH Physicians (employed and independent); Board of Trustees	Blast fax/email	OVH has applied for a grant to enable us to share patient information across a variety of entities thereby increasing the level of care for patients.	11/26/12	KC to draft
				Send from Jae Dale
OVH Physicians (employed and independent); Board of Trustees	Blast fax/email	Update stakeholders with approval or rejection of grant for OVH by ASET	TBD	KC to draft; Jae Dale to send
OVH Physicians (employed and independent); Board of Trustees	Blast fax/email and physician newsletter	If approved for grant, periodically update stakeholders in progress of project	TBD	KC to draft; Jae Dale to send
OVH Physicians (employed and independent); Board of Trustees	Blast fax/email and physician newsletter	Announce completion of project to stakeholders and describe any next steps	TBD	KC to draft; Jae Dale to send

o Plans for staff training for implementation, continuous evaluation, system operation and maintenance, and technical support resources (If appropriate)

o Names, titles and organizations of the primary project team members and their roles in the project. (If applicable)

Brad Booth, Information Services Supervisor

o Description of the source of any in-kind technical support, internal and/or external, for the project.

3. Line Item Budget– All reasonable costs for completing project are eligible. Insert a line-item budget into the narrative or attach as a separate document.

(Line-item budget to be attached) HINAZ Project Plan

o Financial and/or In-kind match. Include the amounts and sources of financial or in-kind resources used for the required 50% match. It is not necessary to have a match for each line item; however, the total match must equal at least one half of the total grant dollars requested. Numbers covered in spreadsheet: See HINAz Project Plan (#2 above)

o In-kind match should be expressed in dollars, and can include, but is not limited to, staff time (value of salaries and fringe) spent by collaborating organizations on the project (for example, staff time spent in planning, governance, or IT support), communications and mileage costs related to planning or governance meetings, and equipment needed to enable health information exchange. See Budget Narrative (#4 below)

4. The Budget Narrative shall provide information on how each of the line items shown in the budget was calculated and how it aligns with the overall strategy (not to exceed one paragraph per line item).

Amount to be paid to HINAz to set up and participate in the statewide health information network include set up cost of \$13,200 and subscription costs of \$8,712.00 for a total of \$21,912.00. Internal costs to set up networking connections, implement interfaces, train users manage and administer the project total \$16,057.85.

The total cost of the project is \$37,969.85 and the grant request is for \$25,060.10.

o Salary and Fringe. For any positions proposed to be funded from this project, provide the position title, the amount of salary and fringe benefits paid for by the grant, and percent of time on the project. Include a brief description of the activities of each position as it relates to the project. The budget form need only reflect the totals for salaries and fringe. See HINAz Project Plan (#2 above)

HINAz Set up charges Paid by OVH

Position Costs	SW&B
Clinical Analyst	\$ 31.60
Network Analyst	\$ 42.71
Project Manager	\$ 48.04
Interface Analyst	\$ 75.00
Administrative Cost	\$ 86.40

o Travel. Include a description of the proposed travel as it relates to the completion of the project. Provide the estimated number of miles planned for project activities as well as the rate of reimbursement per mile to be paid from project funds (not to exceed the current rate established by the Internal Revenue Service). Please reference Arizona's travel policy website: http://www.gao.az.gov/publications/SAAM/Supp_I_trvrates-012308.pdf NA

Personal Vehicle Mileage Reimbursement: 44.5 cents per mile effective 11/15/06

o Equipment. Include a description and projected costs of any proposed equipment as it relates to the completion of the project. This may include hardware and/or interfaces. NA

o Software. Include a description and projected costs of any proposed software. NA

o Supplies. Include a description of any supplies needed for the project. NA

o Consultants/Contracted services. Provide the name of contractors, the services to be provided and projected costs. Include brief background information about contractors, including how their previous experience relates to the project. If known, provide the name of contractor chosen and include a description of the availability of contractors for the services and/or products required and the method for choosing a contractor. Only in terms of HINAz as the external group and the contractor(s) they may use – Participation Agreement attached.

o Other. If it is necessary to include expenditures in the "Other" category, include a detailed description of the proposed expenditures as they relate to the project.

o In-kind match. Matching Funds Requirement. **Grant applications must identify matching funds equal to 50 percent of the award from ASET. For example, if the grantee requests \$50,000 in funding from ASET, the grantee must secure \$25,000 in matching funds to support the project. In-kind contributions will be considered matching funds for this grant program. Matching funds may come from internal sources, project partners, or other funding sources, including but not limited to, other grants or commercial loans. Federal government funds will not be considered acceptable matching funds. – See Budget Narrative**

Summary Cost: Implementation of HINAz

Description	Cost
Cost paid to HINAz	\$ 21,912.00
Internal Cost	\$ 16,057.85
Total Cost	\$ 37,969.85
Grant Request	\$ 25,060.10
Matching Fund	\$ 12,909.75

HINAz Set up charges Paid by OVH

Facility	Edge Server and Interface set up	Subscription Cost	Total Cost
OVH	\$13,200.00	\$8,712.00	\$21,912.00

5. Letter of Support is not needed since Oro Valley Hospital is applying as a single organization.